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	Application No.	10/614,644
INFORMATION DISCLOSURE	Filing Date	July 7, 2003
OTATEMENT DV ADDUCANT	First Named Inventor	Fraser, et al.
STATEMENT BY APPLICANT	Art Unit	1651
(Multiple sheets used when necessary)	Examiner	Leon B. Lankford, Jr.
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			U.S. PATENT	DOCUMENTS	
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,458,678	7/10/1984	Yannas et al.	
	2	4,820,626	4/11/1989	Williams et al.	
	3	4,834,703	5/1/1989	Dubri et al.	
	4	4,883,755	11/28/1989	Carabasi et al.	
	5	4,963,489	10/16/1990	Naughton et al.	
	6	5,035,708	7/20/1991	Alchas et al.	
	7	5,092,883	3/3/1992	Eppley et al.	
	8	5,158,867	10/1/1992	McNally et al.	
	9	5,226,914	7/13/1993	Caplan et al.	
	10	5,261,612	11/16/1993	Ftaiha	
	11	5,372,945	12/13/1994	Alchas et al.	
	12	5,409,833	4/25/1995	Hu et al.	
	13	5,436,135	7/25/1995	Tayot et al.	
	14	5,470,307	11/28/1995	Lindall	
	15	5,486,359	1/23/1996	Caplan et al.	
	16	5,591,625	1/7/1997	Gerson et al.	
	17	5,686,262	11/1/1997	Fink et al.	
	18	5,728,739	3/17/1998	Ailhaud et al.	
	19	5,736,396	4/7/1998	Bruder et al.	
	20	5,786,207	7/28/1998	Katz et al.	
	21	5,811,094	9/22/1998	Caplan et al.	
	22	5,817,050	10/6/1998	Klein et al.	
	23	5,827,735	10/27/1998	Young et al.	
	24	5,827,740	10/27/1998	Pittenger et al.	
	25	5,827,897	10/27/1998	Allhaud et al.	
	28	5,837,235	11/17/1998	Mueller et al.	
	27	5,854,292	12/29/1998	Ailhaud et al.	
	28	5,906,934	5/25/1999	Grande et al.	
	29	5,908,784	6/1/1999	Johnstone et al.	

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	30	5,916,743	6/29/1999	Lake et al.	
	31	5,952,215	9/1/1999	Dwulet et al.	
	32	5,980,887	11/9/1999	Isner et al.	
	33	6,030,836	2/29/2000	Thiede et al.	
	34	6,090,121	7/18/2000	Weber et al.	
	35	6,200,606	3/13/2001	Peterson et al.	
	36	6,316,247	11/13/2001	Katz et al.	
	37	6,322,784	11/27/2001	Pittenger et al.	
	38	6,777,231	8/1/2004	Katz et al.	
	39	U.S. Application No. 09/938,665, filed 9/10/2001, Adipose-Derived Stem cells and Lattices (WO0053795)	9/14/2000	Katz, et al.	
	40	U.S. Application No. 09/952,522, filed 9/10/2001, Adipose-Derived Stem cells and Lattices (US2003/0082152)	5/1/2003	Katz, et al.	-
	41	U.S. Application No. 10/316,127, filed 12/9/2002 (US2003/0161816)	8/28/2003	Fraser, et at.	

			FOREIGN PATE	NT DOCUMENTS		
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T1
	42	EP 0418979	3/27/1991	Zocchi		
	43	EP 0448770	10/2/1991	Takasu et el.		
	44	EP 0515726	12/2/1992	Takasu		
	45	EP 0570331	11/18/1993	Mueller-Glauser et al.		
	46	EP 1011752	10/13/2004	Jorgensen et al.		

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	47	WO 00/53795	9/14/2000	Katz et al.		
	48	WO 01/21767	3/29/2001	Young, et al.		
	49	WO 01/62901	8/30/2001	Wilkison, et al.		
	50	WO 03/053362	7/3/2003	Fraser et al.		
	51	WO 86/01111	2/27/1986	Catsimpoolas et al.		
	52	WO 87/02812	7/11/1987			
	53	WO 96/38482	12/5/1996	Caplan et al.		-
,	54	WO 97/18299	5/22/1997	Johnstone et al.	1	
	55	WO 97/26326	7/24/1997	Peterson et al.		
	56	WO 97/39104	10/23/1997	Bruder et al.		
	57	WO 97/40137	10/30/1997	Kadiyala et al.		
	58	WO 97/41208	11/6/1997	Sorrell et al.		
	59	WO 98/04682	2/5/1998	Pittenger		
	60	WO 98/20731	5/22/1998	Thiede et al.		
	61	WO 98/32333	7/30/1998	Pittenger et al.		
	62	WO 98/51317	11/19/1998	Goldberg et al.		
	63	WO 99/01145	1/14/1999	Fernandez		
	64	WO 99/02654	1/21/1999	Peterson et al.		
	65	WO 99/03973	1/28/1999	Pittenger et al.		
	66	WO 99/11789	3/11/1999	Brietbart et al.		
	67	WO 99/28444	6/10/1999	Halvorsen		

NON PATENT LITERATURE DOCUMENTS

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	68	Ahrens, Patricia Buckley et al., "Stage-Retated Capacity for Limb Chondrogenesis in Cell Culture," Developmental Biology, 1977, 60:69-82	
	69	Ailhaud, et al., 1983, "Hormonal requirements for growth and differentiation of OB17 preadipocyte cells in vitro," Diabete & Metabolisme, Vol. 9:125-133.	
	70	Ailhaud, et al., 1985, "Lipoprotiene lipase et differenciation adipocytaire," Reprod. Nutr. Develop., Vol. 25:153-158.	
	71	Alamaddine, Hala S, et al., "Regeneration of Skeletal Muscle Filters from Autologous Satellite Cells Multiplied in Vitro. An Experimental Model for Testing Cultured Cell Myogenicity," <i>Muscle & Nerve</i> , 1989, 12:941-95	
	72	Angele, P. et al., "Engineering of Osteochondral Tissue with Bone Marrow Mesenchymal Progenitor Cells in a Derivatized Hyaluronan-Gelatin Composite Sponge," <i>Tissue Engineering</i> , 1999, 5:545-53	
	73	Ankrom, Michael A., "Age-related changes in human oestrogen receptor function and levels in osteoblasts," <i>Biochem J.</i> 333:787-794.	
	74	Asp. Hissahl, et al., "A Preedipocyte Clonal Line from bovine Intramuscular Adipose Tissue: Nonexpression of GLUT-4 protein during Adipocyte Differentiation," <i>Blochem. Biophys. Res. Commun.</i> 213:369-376.	
	75	Avital, I., D. Inderbitzin, et al. (2001) "Isolation, characterization and transplantation of bone marrow- derived hepatocyte stem cells" Biochem Biophys Res Commun 288(1): 156-64.	
	76	Bailey, A. J. et al., "Age-Related Changes in the Biochemical Properties of Human Cancellous Bone Collagen: Relationship to Bone Strength," Calcified Tissue International, 1999, 65:203-10	
	77	Barghorn, A. et al., "a-Smooth Muscle Actin Distribution in the Pulmonary Vasculature Comparing Hypoplastic and Normal Fetal Lungs," Pediatric Pathology & Laboratory Medicine, 1998, 18:5-22	
	78	Bastard, J. P. et al., "A Mini-Liposuction Technique Adapted to the Study of Human Adipocyte Glucose Transport System," <i>Diabetologia</i> , 36(Suppl. 1):A135, 1993	
	79	Baylink, David J., "Glucocorticold-Induced Osteoporosis," The New England Journal of Medicine, 1983, 309:308-8	
	80	Becerra, José et al., "Demineralized Bone Matrix Mediates Differentiation of Bone Marrow Stromal Cells In Vitro: Effect of Age of Cell Donor," Journal of Bone and Mineral Research, 1996, 11:1703-14	
	81	Beiser, Ian H. and Irvin O. Kanat, "Subchondral Bone Drilling: A Treatment for Cartilage Defects," Journal of Foot Surgery, 1990, 29:595-601	
	82	Bennett, J.H., et al., 1991 <i>J. Cell Sci.</i> "Adipocytic cells cultured from marrow have osteogenic potential." 99(Pt1):131-139 (Exhibit 26)	
	1		

Examiner Signature	Date Considered		
*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with next commit	*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not		

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10/614,644 Application No. INFORMATION DISCLOSURE Filing Date July 7, 2003 Fraser, et al. First Named Inventor STATEMENT BY APPLICANT 1651 Art Unit Leon B. Lankford, Jr. Examiner (Multiple sheets used when necessary) CYTH.002DV3 Attorney Docket No. SHEET 5 OF 22

		SHELL JOI 22	
		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, seriel, symposium, catalog, etc.), date, page(a), volume-issue number(s), publisher, city and/or country where published.	T ¹
***	83	Beresford, et al., 1986 Endo. "1,25- Dihydroxyvitamin D3 and Human Bone-Denved Cells in Vilro: Effects on Alkaline Phosphatase, Type 1 Collagen and Proliferation," 119:1778-1785 (Exhibit 27)	
	84	Berniohr, David A. et al., "Tissue Specific Expression of p422 protein , A putetive Lipid Carrier, In Mouse Adipocytes," Biochem. Biophys. Res. Comun. 1985 132:850-855.	
	85	Bjornson, et al., 1999 Science "Turning Brain into Blood: A Hematopoetic Fete Adopted by Adult Neural Stem Cells in Vivo," 283:534-537 (Exhibit 28)	
	86	Bond et al., 1999, "Human Subcutaneous preadipocytes Differentiate Into osteoblasts," FASE8 Journal 13:600A	
	87	Boskey, et al., 1985, "The Effect of Osteocalcin on In Vitro Lipid-Induced Hydroxyapatite Formation and Seeded Hydroxyapatite Growth," Calc. Tiss. Int. 37:75.	
_	88	Freen, Ellen C. et al., "IGFb Alters Growth and Differentiation Related Gane Expression in Proliferating Osteoblasts in Vitro, Preventing Development of the Mature Bone Phenotype," <i>Journal of Cellular</i> Physiology, 1994, 180:323-35	
	89	Bruder, et al., 1997 J. Ceil Bliochem. "Growth Kinetics, Self-Renewal, and the Osteogenic Potential of Pruffied Humen Mesenchyman Stem Cells During Extensive Subcultivation end Following Cryopreservation," 64:278-294	
	90	Bruder, Scott P. et al., "Bone Regeneration by Implentetion of Purified, Culture-Expended Human Mesenchymal Stern Cells," Journal of Orthopaedic Research, 1998, 18:155-62	
	91	Suttler-Browne, et al., 1990 Anat. Embryot. (Bert) "Myosin heavy and light chain expression during human skeletal muscle development and precocious muscle meturation induced by thyroid hormone," 181:519-522.	
-	92	Butnariu-Ephrat, Miriam et al., "Resurfacing of Goal Articular Certilage by Chondrocytes Derived From Bone Marrow," Clinical Orthopaedics and Related Research, 1996, 330:234-43	
	93	Campion, Dennis R., "The Muscle Satellite Cell: A Review," Internationals Review of Cytology, 1984, 87:225-51	
	94	Ceplan, Arnold I., "Mesenchymel Stern Cells," Journal of Orthopaedic Research, 1991, 9:641-50	
	95	Caplan, Amold I., "The Mesengenic Process," Clinics in Plastic Surgery, 21:429-35, 1994	
	96	Cermefiet, P. and A. Luttun (2001) "The emerging role of the bone merrow-derived stem cells in (therapeutic angiogenesis" Thromb Heemost 86(1): 289-97.	
	97	Carpandena, C.A. "Collagen alterations in adipose autograff's." Aesthetic Plastic Surgery Vol. 18, 11- 15 (1994)	

Examiner Signature	Dete Considered
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	l	Carranza-Bencano, A. et al., "Comparative Study of the Reconstruction of Articular Cartilage Defects with Free Costal Perichondrial Grafts and Free Tibial Periosteal Grafts: An Experimental Study on Rabbits," Calcified Tissue International, 1999, 65:402-7	
		Castro-Malaspina, H., W. Ebell, et al. (1984) "Human bone marrow fibroblast colony-forming units (CFU-F "Prog Clin Ciol Res 154: 209-36.	
	100	Cheifetz, S. et al., "Endoglin Is a Component of the Transforming Growth Factor-B Receptor System in Human Endothelial Cells," <i>J. Biol. Chem.</i> , 1992 267:19027-19030.	
	101	Chen, Theresa L. et al., "10,25-Dihydroxyvitamin D3 Receptors In Cultured Rat osteoblast-like Cells," J. Biol. Chem. 1983 258:4350-4355.	
	102	Chen, Xisoli et al., "Differentiation-dependent expression of obese (bt) gene by preadipocytes and adipocytes in primary cultures of porcine stromal-vascular celts," <i>Biochimica et Biophysica Acta</i> , 1997, 1359;138-42	
	103	Cheng S-L., et al., 1994 Endo *Differentiation of Human Bone Marrow Osteogenic Stromal Cells in Vitro: Induction of the Osteoblast Phenotype by Dexamethasone,* 134: 277-286	
	104	Chimel-Monroy, Jesüs and Lino Diaz de León, "Expression of N-cadherin, N-CAM, fibronectin tenascin is stimulated by TGF-b1, b2, b3 and b5 during the formation of precartilage condensations," <i>The</i> <i>International Journal of Developmental Eliology</i> , 1999, 43:99-67	
	105	Chyun, et al., 1984 Endo. "Cortisol Decreases Bone Formation by Inhibiting Periosteal Cell Proliferation," 114:477-480	
	106	Coleman III, et al. "Autologous Collagen? Lipocytic Dermal Augmentation. A Histopathologic Study". J. Dermatol Surg Oncol. Vol 19, 1032-1040 (1993)	
	107	Coleman, S.R. (1995) "Long-term survival of fat transplants: controlled demonstrations" Aesthetic Plast Surg 19(5): 421-5.	
	108	Coleman, S.R. (2001). "Structural fat grafts: the Ideal filler?" Clin Plast Surg 28(1): 111-9.	
	109	Coleman, W.P., 3rd (1991) "Autologous fat transplantation" Plast Reconstr Surg 88(4): 736.	
	110	Conget, PA and JJ Minguell 1999 <i>J. Cell. Physiol</i> "Phenotypical and Functional Properties of Human Bone Marrow Mesenchymal Progenitor Cells," 181:67-73	
	111	Connolly, J.F. (1998) "Clinical use of marrow osteoprogenitor cells to stimulate osteogenesis" Clin Orthop(355 Suppl): S257-86.	
	112	Considine, et at., "Paracrine stimulation of preadipocyte-enriched cell cultures by mature adipocytes," American Journal of Physiology 1996 270(5) E895-E899	

Examiner Signature	Date Considered
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\		PTO/SB/08 Equivalent
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	113	Cooper, et al., 1999 J. Endocrinol. "Glucocorticoid activity, inactivity and the osteoblast," 163: 159-164.	
	114	Crandall, David L et al., "Identification of Estrogen Receptor b RNA in Human Breast and Abdominal Subculaneous Adipose Tissue," <i>Biochamical and Biophysical Research Communications</i> , 248.523-8, 1989	
	115	Danl, et al., "Differentiation of embryonic stem cells into adipocytes in vitro," J. Cell Sci. 1997 110, 1276- 1285	
	116	Deng, Weiwen et al., "In Vitro Differentiation of Human Marrow Stromal Cells into Early Progenitors of Neural Cells by Conditions That Increase Intracellular Cyclic AMP," Biochemical and Biophysical Research Communications, 2001, 282:148-52	
	117	Denker, A.E., et al., 1995 Differentiation "Formation of cartilage-like spheroids by micromass cultures of murine C3H101/2 cells upon treatment with transforming growth factor-b1," 59: 25-34	
	118	Denker, et al., 1999 Differentiation "Chondrogenic differentiation of murine C3H10T1/2 multipotential mesenchymal cells: I. Stimulation by bone morphogenetic protein-2 in high-density micromass cultures," 64:97-76	
	119	Dennis, James E. et al., "A Quadripotential Mesenchymal Progenitor Cell Isolated from the Marrow of an Adult Mouse," Journal of Bone and Mineral Research, 1999, 14:700-9	
	120	Dias, Peter et al., "The Molecular Basis of Skeletal Muscle Differentiation," Seminars in Diagnostic Pathology, 1994, 11:3-14	
	121	Diefenderfer, David L. and Carl T. Brighton, "Microvascular Pericytes Express Aggrecan Message Which is Regulated by BMP-2," Biochemical and Biophysical Research Communications, 2000, 209:172-9	
	122	Dimri, et, al., 1995 <i>Proc. Natl. Acad. Sci. USA</i> "A biomarker that identifies a senescent human cells in culture and in aging skin <i>in vivo</i> ," 92: 9363-9367	
	123	Ducy, et, al., 1997 Cell *Osf2/Cbfa1: A Transcriptional Activator of Osteoblast Differentiation,* 89:747- 754	
	124	Eisenberg, Shlomo, "High density lipoprotein metabolism," Journal of Lipid Research, 1984, 25:1017- 58	
	125	Enomoto, Hirayuki et al., "Cbfal Is a Positive Regulatory Factor in Chondrocyte Maturation," J. Biol. Chem. 2000 275:8695-8702.	
	126	Entenmann, et al., "Relationship between replication and differentiation cultured human adipocyte precursor cells," American Phys. Soc. 1996 270,C1011-C1016	

Examiner Signature	Date Considered
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	127	Eremia, S. and N. Newman (2000). "Long-term follow-up after autologous fat grafting: analysis of results from 116 patients followed at least 12 months after receiving the last of a minimum of two treatments" Dermatol Surg 28(12): 1150-8.	
	128	Eslami Varzaneh, et al., "Extracellular Matrix Components Secreted by Microvascular Endothelial Cells Stimulate Preadipocyte Differentlation In Vitro," Metabolism 1994 43 (7), 906-912	
	129	Fajas, Lluis, et al., "Transcriptional control of adipogenesis," Current Opinion in Cell Biology, 1998, 10:165-73	
	130	Farndale, Richard W. et al., "Improved quantitation and discrimination of sulphated glycosaminoglycans by use of dimethylene blue," <i>Blochimica et Blophysica Acta</i> , 1985, 883:173-7	
	131	Ferrari G., et al., 1998 Science "Muscle Regeneration by Bone Marrow-Derived Myogenic Progenitors," 279: 1528-1530	
	132	Fortier, Lisa, et al., 2000, "Isolation and chondrocytic differentiation of equine bone marrow-derived mesenchymal stem cells," Am. J. Vet. Res. 59:1182-1187.	
	133	Frederikson and McKay 1988 <i>J. Neurosci.</i> "Proliferation and Differentiation of Rat Neuroepithelial Precursor Cells <i>In vivo</i> ," 8:1144-1151	
	134	Fridman, et al., 1992 <i>Int. J. Cancer</i> "Malignant Transformation of NIH-3T3 Cells After Subcutaneous co-Injection With A Reconstituted Basement Membrane (Matrigel)," 57(5), 740-44	
	135	Fukuda, K. (2001). "Development of regenerative cardiomyocytes from mesenchymal stem cells for cardiovascular tissue engineering" Artif Organs 25(3): 187-93.	
	136	Fülöp, Csaba et al., "Expression of Alternatively Spilced Epidermal Growth Factor-like Domains in Aggrecans of Different Species," <i>The Journal of Biological Chemistry</i> , 1993, 268:17377-83	
	137	Fulton et al., "Fat Grafting" Fundamentals of Cosmetic Surgery. 19(3): 523-530 (2001).	
	138		
	139	Glowacki, J., "Influence of Age on Human Marrow," Calcified Tissue International, 1995, 56(Supp. 1):S50-1	
	140	Grigoradis A., et al., 1988 J. Cell Biol. "Differentiation of Muscle, Fat, Cartilage, and Bone from Progenitor Cells Present in a Bone-derived Clonal Cell Population: Effect of Dexamethasone," 106: 2139-2151	
	141	Grigoriadis, Agamemnon E. et al., 'Analysis of chondroprogenitor frequency and cartilage differentiation in a novel family of clonal chondrogenic rat cell lines,' Differentiation, 1996, 60:299-307	

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	142	Guerrerosantos, J., A. Gonzalez-Mendoza, et al. (1996). "Long-term survival of free fat grafts in muscle: an experimental study in rats." Aesthetic Plast Surg 20(5): 403-8.	
	143	Guerriero, V and JR Florini 1980 Endocrinology *Dexamethasone Effects on Myoblast Proliferation and differentiation,* 106:1198-1202	
	144	Hall, BK 1981 "Intracellular and extracellular control of differentiation of cartilage and bone," Histochem. J. 13:599-614	
	145	Hardingham, Tim et al., "Studies on the Synthesis, Secretion and Assembly of Proteoglycan Aggregates by Chondrocytes," <i>Matrices and Cell Differentiation</i> , 1984, 151:17-29	
	146	Hauner H. et al., "Glucocorticolds and Insulin Promote the Differentiation of Human Adipocyte Precursor Cells into Fat Cells," Journal of Clinical Endocrinology and Metabolism, 64:832-5, 1987	
	147	Hauner, et al., "Endothelin-1 Inhibits the Adipose Differentiation of Cultured Human Adipocyte Precursor Cells," Metebolism 1984 43(2) pp 227-232	
	148	Hauner, Hans et al., "Promoting Effect of Glucocorticoids on the Differentiation of Human Adipocyte Precursor Cells Cultured in a Chemically Defined Medium," Journal of Clinical Investigation, 84:1663- 70, 1809	
	149	Hausman, et al., "The Influence of Extracellular Matrix Substrata on Preadipocyte Development in Serum-Free Cultures of Stromal-Vascular Cells," J. Anim.Sci. 1996 74(9), 2117-2128	
	150	Haynesworth, S. E. et al., "Cell Surface Antigen on Human Marrow-Derived Mesenchymal Cells are Detected by Monocional Antibodies," <i>Bone</i> , 1992, 13:89-80	
	151	Herman, Ira M. and Patricia D'Amore, "Microvascular Pericytes Contain Muscle and Nonmuscle Actins," J. Cell Biol. 1985 101:43-52.	
	152	Horwitz, E. M., D.J. Prockop, et al. (1999). "Transplantability and therapeutic effects of bone marrow- derived mesenchymal cells in children with osteogenesis Imperfecta." Nat Med 5(3): 309-13.	
	153	Horwitz, E.M., Prockop, D.J., Gordon, P.L., Koo, W. W., Fitzpatrick, L.A., Neel, M.D., McCarville, M.E., Orchard, P.J., Pyenitz, R.E., and Brenner, M.K. (2001) "Clinical responses to ben marrow transplantation in children with severe osteogenesis imperfects." Blood 97(5), 1227-31.	
	154	Huang, J.I., S.R. Beanes, et al. (2002) "Rat extramedullary adipose tissue as a source of osteochondrogenic progenitor cells" Plast Reconstr Surg 109(3): 1033-41; discussion 1042-3.	
	155	Hulbregtse, Barbara, et al., 1998, "Effect of Age and Sampling Site on the Chondro-Osleogenic Potential of Rabbit Marrow-derived Mesenchymal Progenitor Cells," Journal of Orthopaedic Research, 13:18-24.	
	156	Hui-Ling et al., "increased expression of G in mouse embryo stem cells promotes terminal differentiation to adipocytes," <i>American Physiological Society</i> 1993 265(6), C1729-C1735	

Examiner Signature	Date Considered		
*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with next come	mance with MPEP 609. Draw line through citation if not munication to applicant.		

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	Application No.	JAN6 14, 1642008
INFORMATION DISCLOSURE	Filing Date	July 7, 2003
STATEMENT BY APPLICANT	First Named Inventor	Fraser, et al.
	Art Unit	1651
(Multiple sheets used when necessary)	Examiner	Leon B. Lankford, Jr.
SHEET 10 OF 22	Attorney Docket No.	CYTH.002DV3

		NON PATENT LITERATURE DOCUMENTS	
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	157	Huss, Ralf, "Isolation of Primary and Immortalized CD34- Hematopoietic and Mesenchymal Stem Cells from Various Sources," Stem Cells, 2000, 18:1-9	
	158	Hutley, L.J., A.C. Herington, et al. (2001) "Human adipose tissue endothellal cells promote preadipocyte proliferation" Am J. Physiol Endocrinol Metab 281(5): E1037-44.	
	159	Iwasaki, Motoki et al., "Regulation of Proliferation and Osteochondrogenic Differentiation of Periosteum-Derived Cells by Transforming Growth Factor-b and Basic Fibroblast Growth Factor," Journal of Bone and Joint Surgery, 1995, 77A:543-54	
	160	Jaiswal, et al., 1997 *Osteogenic Differentiation of Purified, Culture-Expanded Human Mesenchymel Stem Cells In Vitro,* J. Cell Biochem. 64:295-312	-
	161	Johnson, P. R. et al., "Uncontrolled adipocyte proliferation is not the primary lesion in the genetically- obese Zucker rat," International Journal of Obesity, 5:563-70, 1981	
	162	Johnstone B., et al., 1998 "In Vitro Chondrogenesis of Bone Marrow-Derived Mesenchymal Progenitor Cells," Exp. Cell Res. 238: 285-272	
	163	Kale et al. "Bone marrow stem cells contribute to repair of the ischemically injured renal tubule" J. Clinical Investigation, Vol. 112, No. 1 42-49 (Jul 2003)	
	164	Kanla, et al., 1990 *The <i>Drosophila</i> segmentation gene runt encodes a novel nuclear regulatory protein that is also expressed in the developing nervous system." Genes Dev. 4:1701-1713	
	165	Katz, A.J., Hedrick, M.H., Lhull, R., and Futrell, J.W. (2001a) "A novel device for the simple and efficient refinement of liposuctioned tissue" Plast Reconstr Surg 107, No. 2, 595-597.	
-	166	Katz, Adam J. et al., "Emerging Approaches to the Tissue Engineering of Fat," Clinics in Plastic Surgery, 1999, 26:587-603	
	167	Kehlen, A. et al., 2000 <i>J. Cell Biochem.</i> *Increased Lymphocytic Aminopeptidase N/CD13 Promoter Activity After Cell-Cells Contact,* 80:115-123	
	168	adipose tissue: J Clin Invest 71(0), 1022-9.	
	189	Killinger, D. W. et al., "Influence of Adipose Tissue Distribution on the Biological Activity of Androgens," Annals New York Academy of Sciences, 595:199-211, 1990	
	170	Killinger, Donald W. et al., "The Relationship Between Aromatase Activity and Body Fat Distribution," Steroids, 50-61-72, 1987	
	171	Kirsch, Thorsten and Klaus von der Mark, "Remodelling of collagen types I, II and X and calcification of human fetal cartilage," Bone and Mineral, 1992, 18:107-17	

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with n	in conformance with MPEP 609. Draw line through citation if not ext communication to applicant.

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1	First Named Inventor	Fraser, et al.	
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	172	Kosher, RA, et el., 1986 J. Cell Biol. *Collegen Gene Expression During Limb Cartilege Universities on 102:1151-1156	
	173	Kosher, Robert A. end Michael Solursh, "Widespread Distribution of Type II Collagen during Embryonic Chick Devalopment," Developmental Biology, 1989, 131:558-68	
_	174	Kuri-Harcuch, W. et al., 1984, Differentiation "Extracellular matrix production by mouse 3T3-F442A cells during edipose differentiation in culture," 28	
	175	Lafontan, M. et al., "Réflexions sur une nouvelle approche de chirurgie plestique réparatrice: la réimplantation de fragments de tissu adipeux prélevés par liposuccion," <i>Ann. Chur. Plest. Esthet.</i> , 34,77-81, 1999	
	176	Lam, Anson and Ronald Moy, "The Potential for Fat Transplantation," J. Dermatol. Surg. Oncol., 18:432-4, 1992	
	177	Lanier, L.L. et al, 1991 <i>J. Immunol.</i> "Molecular and Functional Analysis of Human Natural Killer Cell- Associated Neurel Cells Adhesion Molecule (N-Cam/CD56),"148:4421-4426	
	178	Lawson-Smith, M.J. and McGeachie, J.K. 1999 J. Anat. "The identification of myogenic cells in skeletal muscle, with emphasis on the use of tritlated thymidine autoradiography and desmin antibodies," 192-161-171.	
	179	Lazarus, Hillard M. et al., "Human Bone Marrow-Detrived Mesenchymal (Stromal) Progenitor Cells (MPCs) Cannot Be Recovered from Peripheral Blood Progenitor Cell Collections," <i>Journal of Hematotherapy</i> , 1997, 6347-55	
	180	Leboy, et al., 1991 <i>J. Cell Physiol.</i> "Dexamethasone Induction of Osteoblast mRNAs in Ret Maπow Stromal Cell Cultures," 148:370-378	
	181	Leboy, Phoebe S. et al., "Ascorbic Acid Induces Alkeline Phosphatase, Type X Collagen, and Celclum Deposition in Cultured Chick Chondrocytes," The Journal of Biological Chemistry, 1989, 264:17281-6	
	182	Lecoeur, L. and J. P. Ouheyoun, "In vitro induction of osteogenic differentiation from non-osteogenic mesenchymal cells," <i>Biomaterials</i> , 18:989-93, 1997	
1	183	Lec, J. H., Z. Ilic, et al. (1996) "Cell kinetics of repair after allyl alcohol-induced liver necrosis in mice" Int J Exp Pathol 77(2): 63-72.	
	184	Lee, P.E., R.C. Knug, et al. (2001) "Periurethral autologous fat injection as treetment for female stress urinary incontinence: a randomized double-blind controlled trial" J Urol 165(1): 153-8.	
	185	Lee, Yun-Shain and Cheng-Ming Chuong, 'Adhesion Mulecules in Skeletogenesis: I. Transient Expression of Neural Cell Adhesion Molecules (NCAM) in Osteoblasts During Endochondral and Intramembranous Ossification,' Journal of Bone and Mineral Research, 1992, 7:1435-46	

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*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with next comm	mance with MPEP 609. Drew line through citation if not nunicetion to applicant.

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Examiner Initials	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	т¹
	-	number(e), publisher, city and/or country where published. Lendahl, et al., 1990 <i>Cell</i> "CNS Stem Cells Express a New Class of Intermediate Filament Protein," 60.585-595	
	187	Lennon, Donald P. et al., "Human and Animal Mesenchymal Progenitor Cells from Bone Marrow: Identification of Serum for Optimal Selection and Proliferation," In Vitro Cell. Dev. Biol Animal, 1996, 32.802-11	
	188	Lenoir, N. 2000 Science "Europe Confronts The Embryonic Stem Cell Research Challenge," 287:1425- 1427	
	189	Lev, Robert and S. S. Spicer, "Specific Staining of Sulphate Groups with Alclan Blue at Low pH," J. Histochem. Cytochem., 1984, 12:309-10	
	190	Linsenmayer, Thomas et al., 1998, "Type X Collagen: A Hypertrophic Cartilage-Specific Molecule," Pathol. Immunopathol. 7:14-19.	
	191	Loncar, D., "Ultrastructural analysis of differentiation of rat endoderm in vitro. Adipose vascular-stromal cells induce endoderm differentiation, which in turn induces differentiation of the vascular-stromal cells into chondrocytes," J. Submicrose. Cytol. Pathol., 24:509-19, 1992	
	192	Long, Michael W. et al., "Age-Related Phenotypic Alterations in Populations of Purified Human Bone Precursor Cells," The Journals of Gerontology, 1999, 54A:B54-62	
	193	Lucas, P. A. et al., "Isolation of Putative Mesenchymal Stem Cells from Rat Embryonic and Adult Skeletal Muscle," <i>In Vitro Cell Dev. Biol.</i> , 1992, 28:154A	
	194	Lucas, Paul A. et al., 'Mesenchymal Stem Cells From Granulation Tissue," J. Cell Blochem, 1993 17E:122, R212	
•	195	Lumelsky, N., et al. 2001 Science "Differentiation of Embryonic Stem Cells to Insulin-Secreting Structures Similar to Pancreatic Islets," 292:1389-1394.	
	196	Lynch, et al., 1995, Exp. Cell Res. "The Influence of Type I Collagen on the Development and Maintenance of the Osteoblast Phenotype in Primary and Passaged Rat Calvarial Osteoblasts: Modification of Expression of Genes Supporting Cell Growth, Adhesion, and Extracelluar Matrix Mineralization," 216:35-45	
	197	MacDougald, Omnord A. and M. Daniel Lane, "Transcriptional Regulation of Gene Expression During Adipocyte Differentiation," Annu. Rev. Blochem., 1995, 64:345-73	
	198	Majeska, Robert J. and Gideon A. Rodan, "The Effect of 1,25(OH)2D3 on Alkaline Phosphates in Osteoblastic Osteosarcoma Cells," <i>J. Biol. Chem.</i> 1982 257:3362-3365.	
	199	Malaval, et al., 1994 J. Cell. Physiol. "Cellular Expression of Bone-Related Proteins During In Vitro Ostegenesis in Rat Bone Marrow Stromal Cell Culture," 158:555-572	
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		NON PATENT LITERATURE DOCUMENTS				
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue (nitials)						
	200	Manduca, et al., 1992 Eur. J. Cell Biol. "Chondrogenic differentiation in chick embryo osteoblast cultures," 57:193-201				
	201	Marko, et al., "Isolation of a Preadipocyte Cell Line from Rat Bone Marrow and Differentiation to Adipocytes," Endocrinology 1995 136(10), 4582-4588.				
	202	Martin, et al., 1999 Ezp. Celf Res. "Mammalian Chondrocytes Expanded in the Presence of Fibroblist Growth Factor 2 Maintain the Ability to Differentiate and Regenerate Three-Dimensional Cartilaginous Tissue," 253:681-888				
	203	Megeney, et al., 1998 Genes Dev. *MyoD is required for myogenic stem cell function in adult skeletal muscle,* 10:1173-1183				
	204	Mirarville et al. "Human adipose tissue-derived stem cells Improve blood flow in the ischemic mouse hind-limb" Circulation, Vol. 108, No. 17, Supp. IV, 194 (Oct 2003).				
	205	Mizuno, H., P.A. Zuk, et al. (2002) "Myogenic differentiation by human processed lipoaspirate cells" Plast Reconstr Surg 109(1): 199-209; discussion 210-1.				
	206	Molkentin and Olson 1996 Curr. Opin. Genet. Dev. "Defining the regulatory networks for muscle development," 6:445-453				
	207	Mullen, Richard J. et al., "NeuN, a neuronal specific nuclear protein in vertebrates," Development, 1992, 116:201-11				
	208	Mundios, et al., 1997 Cell*Mutations involving the Transcription Factor CBFA12 Cause Cieldocranial Dysplasia,* 89:773-779				
	209	Murayama, T., O.M. Tepper, et al. (2002) "Determination of bone marrow-derived endothelial propentior cells significance in angiogenic growth factor-induced neovascularization in vivo" Exp Hematol 30(8): 967-72.				
	210	Murry, C.E., Wiseman, R.W., Schwartz, S.M., and Hauschka, S.D. (1996) "skeletal myoblast transplantation for repair of myocardial necrosis: J Clin Invest 98, 2512-23.				
	211	Muschler, G.F., Nitto, H., Boehm, C.A., and Easley, KA. (2001) "Age- and gender-related changes in the cellularity of human bone marrow and the prevalence of osteoblastic progenitors" J Orthop Res 19(1), 117-25.				
	212	Nagle, R. B. et al., "Factor VII-Associated Antigen in Human Lymphatic Endothelium," Lymphology, 1987, 20:20-4				
	213	Nakahara, H. et al., "Bone and Cartilage Formation in Diffusion Chambers by Subcultured Cells Derived from the Periosteum," <i>Bone</i> , 1990, 11:181-8				

Examiner Signature :	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with next co	formance with MPEP 609. Draw line through citation if not mmunication to applicant.

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,		NON PATENT LITERATURE DOCUMENTS	
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	214	Nakajima, I. et al., 1998, "Adipose tissue extracellar matrix: newly organized by adipocytes during differentiation," Differentiation 63:193-200.	
	215	Nakano, Hirotaka et al., "RT-PCR Suggests Human Skeletal Muscle Origin of Alveolar Soft-Part Sarcoma," Oncology, 2000, 58:319-23	
	216	Nehls, A. and D Drenckhahn 1991 J. Cell Biol. "Heterogeneity of Microvascular Pericytes for Smooth Muscle Type Alpha-Actin," 113:147-154	
	217	Nguyen, A., K.A. Pasyk et al. (1990) "Comparative study of survival of autologous adipose tissue taken and transplanted by different techniques" Plast Reconstr Surg 85(3): 378-86; discussion 387-9.	
	218	Nishimori, M, Yamada, Y., Hoshi, K., Akiyama, Y., Hosi, Y., Morshima, Y., Tsuchida, M., Fukuhara, S., and Kodera, Y. (2002) "Health-related quality of life of unrelated bone marrow donors in Japan" Blood 99(6), 1995-2001.	
	219	Novakofski, Jan E., "Primary Cell Culture of Adipose Tissue," <i>Biology of the Adipocyte: Research Approaches</i> , Van Nostrand Reinhold Company, NY, 1987 160-97	
	220	O'Driscoli, Shawn W., "Current Concepts Review: The Healing and Regeneration of Articular Cartilage," Journal of Bone and Joint Surgery, 1998, 80A:1795-812	
	221	Office Actions in Application No. 10/783957; filed 2/20/2004	
	222	Office Actions in Application No. 10/884861; filed 7/1/2004	
	223	Office Actions in Application No. 10/884638; filed 7/2/2004	
	224	Office Actions in Application No. 10/877822; filed 6/25/2004	
	225	Office Actions in Application No. 10/871503; filed 6/18/2004	
	226	Office Actions in Application No. 10/885293; filed 7///2004	
	227	Office Actions in Application No. 10/884637; filed 7/1/2004	
	228	Office Actions in Application No. 10/884639; filed 7/1/2004	
	229	Office Actions in Application No. 10/885294; filed 7/1/2004	
	230	Office Actions in Application No. 10/884860; filed 7/1/2004	

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	231	Office Actions in Application No. 10/884871; filed 7/1/20	004		
	232	Office Actions in Application No. 10/614392; filed 7/7/20	003		
	233	Office Actions in Application No. 10/614431; filed 7/7/20	1003		
	234	Office Actions in Application No. 10/614644; filed 7/7/20	2003		
	235	Office Actions in Application No. 10/814648; filed 7/7/20	2003		
	236	Office Actions in Application No. 10/614643; filed 7/7/20	2003		
	237	Office Actions In Application No. 10/242094; filed 9/12/2	/2002		
	238	Office Actions in Application No. 10/325728; filed 12/20	0/2002		
	239	Office Actions In Application No. 11/317422; filed 12/22	2/2005		
	240	Office Actions in Application No. 11/138083; filed 5/25/			
	241	Olson, E. N. et al., *Know Your Neighbors: Three Phen Gene MRF4,* Cell, 1996, 85:1-4	notypes in Null I	Mutants of the Myogenic bHLH	
	242	Orlic, D., J. Kajstura, et al. (2001) "Bone marrow cells r 410(6829): 701-5.	regenerate infa	rcted myocardium* Nature	
	243	Orlic, D., J. Kajstura, et al. (2001) "Transplanted adult t mice" Ann N Y Acad Sci 938: 221-9, discussion 229-30		ells repair myocardial infarcts in	
	244	Differentiation During Formation of the Bone Extracellu	s Associated will ular Matrix," 143	th Osteoblast Proliferation and :420-430	
	245	70:5130-42	tion marker," Pr	oc. Natl. Acad. Sci. USA, 1979,	
	246	Palma, P.C., C.L. Riccetto, et al. (1997) "Repeated lipo Endourol 11(1): 67-70.		1	
	247	Park, S. R. et al., "Interconversion Potential of Clone H 24:549-54	luman Marrow	Adipocytes in Vitro," Bone, 1999,	
		L			

Examiner Signature	Date Considered		
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citalik in conformance and not considered. Include copy of this form with right communication to applicant.			
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	248	Paul S.R., et al., 1991 Blood "Stromal Cell-Associated Hematopolesis: Immortalization and Characterization of Primate Bone Marrow-Derived Stromal Cell Line," 77: 1723-33	
	249	Pedersen, S. B. et al., "Identification of oestrogen receptors and oestrogen receptor mRNA in human adipose tissue," European Journal of Clinical Investigation, 26:262-9, 1996	
	250	Periasamy, Muthu et al., 'Regulation of myosin heavy-chain gene expression during sleletal-muscle hypertrophy," Biochem. J. 1989 257:891-698.	
	251	Pettersson, Per et al., "Adipocyte Precursor Cells In Obese and Nonobese Humans," Metabolism, 34:808-12, 1985	
	252	Pettersson, Per et al., "Cells in Human Adipose Tissue Developing into Adipocytes," Acta Med Scand, 1984, 215:447-51	
	253	Pieralli, Luca et al., "CD34+/CD105+ cells are enriched in primitive circulating progenitors residing in the GD phase of the cell cycle and contain all bone marrow and cord blood CD34+/CD38low/-precursors," <i>British Journal of Haematology</i> , 2000, 808:610-20	
	254	Pittenger, M.F., A.M. Mackay, et al. (1999) "Multilineage potential of adult human mesenchymal stem cells" Science 284(5411): 143-7.	
	255	Pollard, a. et al., "Controlled Conversion of an Immertalized Mesodermal progenitor Cell Towards osteogenic, Chondrogenic, or Adipogenic Pathways," J. Cell Biol. 1995 130;1461-1472.	
	256	Price, Paul A. and Sharon A. Baukol, *1,25-Dihydrokyvitamin D3 Increases Synthesis of the Vitamin K- dependent Bone Protein by Osteosarcoma Cells,* *The Journal of Biological Chemistry, 1980, 205-11660-3	-
	257	Price, Paul A. et al., "Matrix GLA Protein, A New y-Çarboxyglutamic Acid-Containing Protein Which is Associated With The Organic Matrix of Bone," Blochem. Blophys. Res. Commun., 1983 117:765-771.	
	258	Price, Paul A., "GLA-Containing Proteins of Bone," Connective Tissue Research, 1989, 21:51-60	
	259	Probst, M. et al., "Homologous bladder augmentation in dog with the bladder acellular matrix graft," BJU International, 2000, 85:362-71	
	260	Prockop D.J. 1997 Science *Marrow Stromal Cells as Stem Cells for Nonhematopoietic Tissues," 276: 71-74	
	261	Prockop, D.J., S.A. Azizi, et al. (2000) "Potential use of marrow stromal cells as therapeutic vectors for diseases of the central nervous system: Prog Brain Res 128:293-7.	
	262	Rajnoch, C., Chachques, J.C., Berrebi, A., Bruneval, P., Benoit, M.O., and Carpentier, A. (2001) "Cellular therapy reverses myocardial dysfunction" J Thorac Cardiovasc Surg 121(5), 871-8.	

1	Examiner Signature		Date Considered	
	*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with ne	n conform	ance with MPEP 609. inication to applicant.	Draw line through citation if not

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	Application No.	10/614,644
INFORMATION DISCLOSURE	Filing Date	July 7, 2003
	First Named Inventor	Fraser, et al.
STATEMENT BY APPLICANT	Art Unit	1651
(Multiple sheets used when necessary)	Examiner	Leon B. Lankford, Jr.
SHEET 17 OF 22	Attorney Docket No.	CYTH.002DV3

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T¹
	263	Ramsay, T. G. et al., "Pre-Adipocyte Proliferation and Differentiation in Response to Hormone Supplementation of Decapitated Fetal Pig Sera," J. Anim. Sci., 64:735-44, 1987	
	264	Rando, et al., 1995 Exp. Cell Res. "The Fate of Myoblasts Following Transportation into Mature Muscle," 220:383-389	
	265	Rando, Thomas A. and Helen M. Blau, "Primary Mouse Myoblast Purification, Characterization, and Transplantation for Cell-mediated Gene Therapy," J. Cell Biol 1994 125:1275-1287.	
	266	Richardson, J. B. et al., "Repair of human articular cartilage after implantation of autologous chondrocytes," <i>The Journal of Bone and Joint Surge</i> y, 1999, 81:1084-8)	
	267	Rickard, David J. et al., "Isolation and Characterization of Osteoblast Precursor Cells from Human Bone Marrow," Journal of Bone and Mineral Research, 1996, 11:312-24	
	268	Rubens, F. D. et al., 'Tissue Factor Expression by Cells Used for Sodding of Prosthetic Vascular Grafts,' Journal of Surgical Research, 72:22-8, 1997	
	269	Saaibach, A., et al., 1997 Cell and Tiss. Res. "The Fibroblast-specific MAb AS02: a novel tool for detection and elimination of human fibroblasts," 290,593-599	
	270	Safford et al. "In vivo engraftment and differentiation of murine adipose derived stromal cells" Blood, Vol. 100, No. 11, 731a, (Nov 2002)	
	271	Safford, Kristine M. et al., "Neurogenic differentiation of murine and human adipose-derived stromal cells," <i>Biochemical and Biophysical Research Communications</i> , 2002, 371-379.	
	272	Sanchez-Ramos, et al., 2000 "Adult Bone Marrow Stromal Cells Differentiate into Neural Cells in Vitro," Exp. Neurol. 164:247-256	
	273	Samat, Harvey B. et al., "Neuronal nuclear antigen (NeuN): a marker of neuronal maturation in the early human fetal nervous system," Brain & Development, 1998, 20:88-94	
	274	Sattler et al. "Liporecycling: a technique for facial rejuvination and body contouring" Dermantol. Surg. Vol. 26, No. 12, 1140-1144 (Dec. 2000)	
	275	Scott, Douglas M. et al., "Collagen Synthesis in Cultured Osteoblast-like Cells," Archives of Biochemistry and Biophysics, 1980, 201:384-91	
	276	Seele and Rudnicki 2000 Dev. Blol. "A New Look at the Origin, Function, and "Stem-Cell" Status of Muscle Satellite Cells," 218:115-124	
	277	Shalhoub, Victoria et al., "Downregulation of Cell Gjöwth and Cell Cycle Regulated Genes during Chick Osteoblast Differentiation with the Reciprocal Expression of Histone Gene Variants," <i>Biochemistry</i> , 1989, 28:5318-22	

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*Examiner: initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with no	i conform ext commu	ance with MPEP 609. Draw line through citation if not inclation to applicant.

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	278	Shi, Q., S. Rafil, et al. (1998) "Evidence for circulating 92(2): 362-7.	
	279	Shillabeer, et al., "A novel method for studying preadi 1996 20(Supp. 3), S77-S83	
	280	Hormone (PTH)/PTH-related Peptide Receptor, 133:	lependent Gene Expression of Parathyroid 2:457-468
	281	Shukunami, C., et al., 1998 Exp. Cell Res. ¹ Sequenti Bone Morphogenetic Protein-2 in Chondrogenic Cell	Line ATDC5," 241:1-11
	282	Siffert, Robert S., "The Role of Alkaline Phosphatase Medicine, 1951, 93:415-26	In Osteogenesis," The Journal of Experimental
	283	Silberstein, L., et al., 1986 Cell "Developmental Progr Muscle Cells," 46:1075-1081	
	284	Sivan-Loukianova et al. "CD34+ Blood cells accelerate skin wounds" J. Vascular Research, Vol. 40, No. 40, I	te vascularization and healing of diabetic mouse No. 4, 368-377 (Jul-Aug 2003).
	285	Smahel, J., "Aspiration lipectomy and adipose tissue European Journal of Plastic Surgery, 14:126-31, 199	injection: pathophysiologic commentary,* 1
	286	Smith et al., 2000, "Mesenchymal Stem Cells Derived Exhibit Multilineage Potential," Journal of Investigative	d From Bone Merrow And Human Adipose Tissue e Medicine, 95A.
	287	1	
	288	Sorisky et al., "From preadipocyte to Adipocyte: Differ Surface to the Nucleus," Critical Review in Clinical La	rentiation-Directed Signals of Insulin from the Cell aboratory Sciences 1999 36(1), 1-34
	289	Springhom, Jeremy P. et al., "Human Capillary Endot Isolation Using an Anti-Pecam Antibody," In Vitro Cell 1995	thellal Cells from Abdominal Wall Adipose Tissue: flular & Developmental Biology-Animal, 31:473-81,
	290	Stashower et al., 1999, "Stromal progenitor cells pres abdominoplasty fat for autologous transfer to aged sk	sent within liposuction and reduction kin,* Dermatologic Surgery, 25:12:945-949.
	291	Strauer, B.E., M. Brehm, et al. (2002) "Repair of Infar mononuclear bone marrow cell transplantation in hun	mans" Circulation 106(15): 1913-8.
	292	Strutt et al., 1996, "Growth and differentiation of human Molecular Medicine: Human Cell Culture Protools, 41	an adipose stromal cells in culture," <i>methods in</i> -51.

	1
Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance and not considered. Include copy of this form with r	in conformance with MPEP 609. Draw line through citation if not text communication to applicant.

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Application No.	10/614,644
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First Named Inventor	Fraser, et al.
Art Unit	1651
Examiner	Leon B. Lankford, Jr.
Attorney Docket No.	CYTH.002DV3
	Filing Date First Named Inventor Art Unit Examiner

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	item (book, magazine, journal, serial, sympositim, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T¹
	293	Suga, S., et al., 1996, *Eur. J. Cell Biol. *Intracellular Jocalization of antigens recognized by anti- vimentin monoclonal antibodies (mAbs): Cross-reactivities of anti-vimentin mAbs with other cellular components 70:84-91	
	294	Syrjala, M. et al., "A flow cytometric assay of CD34-positive cell populations in the bone marrow," British Journal of Haematology, 1994, 88:679-84	
	295	Tacchetti, C, et al., 1992 Exp Cell Res. "Cell Condersation in Chondrogenic Differentiation," 200:26-33	
	296	Tacchetti, C. et al., "In Vitro Morphogenesis of Chick Embryo Hyperfrophic Cartillage," The Journal of Cell Biology, 1987, 105:999-1006	
-	297	Takahashi, T., C. Kalka, et al. (1999) "lachemia and cytokine-induced mobilization of bone marrow- derived endothelial progentiro cells for neovascularization" Nat Med 5(4): 434-8.	
	298	Tapscott, et al., 1988 Science "MyoD1: A Nuclear Phosphoprotein Requiring a Myc Homology Region to Convert Fibroblasts to Myoblasts," 242:405-411	
	299	Tavassoli et al., 1981, "The Nature of Fibroblasts Derived From Adipose Tissue In-Vitro," Clinical Research, 29:5:871A.	
	300	Tavassoll, Mehdi, "In Vivo Development of Adipose" Tissue Following Implantation of Lipid-Depleted Cultured Adipocyte," Experimental Cell Research, 137:55-82, 1982	
	301	Thomas, E.D. (1994) "Stem Cell Transplantation: Past, Present and Future" Stem Cells 12: 539-544.	
	302	Thornell, et al., 1984 J. Neurol. Sci. "Development of Fiber Types in Human Fetal Muscle," 68:107-115	
	303	Tontonoz, Peter et al., "mPPARg2: tissue-specific rejulator of an adlpocyte enhancer," Genes & Development, 1994, 8:1224-34	•
	304	Totonoz, et al., 1995 Nucl. Acid Res "mPPARg2: tlssue-specific regulator of an adipocyte enhancer."	
	305	Trayhum, P. and Margaret Ashwell, "Control of white and brown adipose tissues by the autonomic nervous system," The Proceedings of the Nutrition Speciety, 1987, 46:135-42	
	306	Tsonis and Goetinck 1990 Exp. Cell Res. "Cell Density Dependent Effect of a Tumor Promoter on Proliferation and Chondrogenesis of Limb Bud Mesenchymal Cells," 190:247-253	
	307	Van et al., 1978, "Complete Differentiation of Adipocite Precursors," Cell Tissue, 195:317-329.	
	308	Vandenburgh, Herman H. and Patricla Karlisch, "Lorigitudinal Crowth of Skeletal Myotubes in Vitro in a New Horizontal Mechanical Cell Stimulator," In Vitro Cellular & Developmental Biology, 1989, 25:607- 10	
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Examiner Signature	Date Considered
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INFORMATION DISCLOSURE	Filing Date	July 7, 2003
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STATEMENT BY AFFLICANT	Art Unit	1651
(Multiple sheets used when necessary)	Examiner	Leon B. Lankford, Jr.
SHEET 20 OF 22	Attorney Docket No.	CYTH.002DV3

		NON PATENT LITERATURE DOCUMENTS	
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	309	Vassaux, et al., "Proliferation and differentiation of Rat Adipose Precursor Cells in Chemically Defined Medium: Differential Action of Anti-Adipogenic Agents," Journal of Cellular Physiology 1994 161(2), 249-256	
	310	von der Mark, et al., 1977 Nature "Relationship between cell shape and type of collagen synthesised as chondrocytes lose their cartilage phenotype in culture," 267:531-532	
	311	Vukicevic et al., 1992 Exp. Celt Res "dentification of Multiple Active Growth factors in Basement Membrane Metrigel Suggests Caution in Interpretation of Cellular Activity Related to Extracellular Matrix Components., 2	
	312	Wabitsch, et al., "Biological Effects of Human Growth Hormone in Rat Adipocyte Precursor Cells and Newly Differentiated Adipocytes In primary Culture," Metaboilsm 1996 Vol 45,No. 1 pp34-42	
	313	Wakitani, Shigeyuki et al., "Mesenchymal Cell-Based Repair of Large, Full-Thickness Defects of Articular Cartilage," The Journal of Bone and Joint Surgery, 1994, 76A:579-92	
	314	Wakitani, Shigeyuki et al., "Myogenic Cells Derived from Rat Bone Marrow Mesenchymal Stem Cells Exposed to 5-Azacytidine," <i>Muscle & Nerve</i> , 1995, 18:1417-26	
	315	Weiner, Francis R. et al. "Regulation of collagen Gene Expression in 3T3-L1 Cells. Effects of Adipocyte Differentiation and Turnor necrosis Factor a," Biochem 1989 28:4094-4099.	
	316	Weintraub, et al., 1991 Science "The myoD Gene Family: Nodal Point During Specification of the Muscle Cell Lineage," 251:761-766	
	317	Weintraub, Harold et al. "Tissue-specific gene activation by MyoD: determination of specificity by cisacting repression elements," Genes & Development, 1994, 8:2203-11	
	318	Werlich, T., K.J. Stiller, et al. (1999) "Experimental studies on the stem cell concept of liver regeneration II" Exp Toxicol Pathol 51(1): 93-8.	
	240	Williams, Irane H. and S. Efthimios Polakis, "Differentiation of 373-L1 Fibroblasts to Adjocytes, the Effect of Indomethacin, Prostagnadia Fs, and Cyclic AMP on the Process of Differentiation" Biochem Biophys. Res. Commun. 1977 77:175-186.	
	320	Williams, John T. et al., "Cells Isolated from Adult Human Skeletal Muscle Capable of Differentiating into Multiple Mesodermal Phenotypes," <i>The American Surgeon</i> , 65:22-6, 1999	
	224	Williams, Stuart K. et al., "Liposuction-derived human fat used for vascular graft sociding contains endothelial cells and not mesothelial cells as the major cell type," Journal of Vascular Surgery, 19:916- 23, 1994	
		Wise, Leigh S. and Howard Green, "Participation of One Isozyme of Cytosolic Glycerophosphate Dehydrogenase in the Adipose Conversion of 3T3 Cells," J. Biol. Chem. 1979 254:273-275.	

Examiner Signature	Date Considered
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T1 - Place a check mark in this area when an English language Translation is attached.

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PTO/SB/08 Equivalent Application No. 10/614,644 INFORMATION DISCLOSURE Filing Date July 7, 2003 First Named Inventor Fraser, et al. STATEMENT BY APPLICANT Art Unit 1651 Examiner Lcon B. Lankford, Jr. (Multiple sheets used when necessary) SHEET 21 OF 22 Attorney Docket No. CYTH.002DV3

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	323	Wiodarski, Krzysztof H., "Section III. Basic Science and Pathology. Properties and Origin of Osteoblasts," Clinical Orthopaedics and Related Research, 252:276-93, 1990	
	324	Woodbury, et al., 2000 J. Neurosci. Res. Science *Ačlult Rat and Human Bone Marrow Stromal cells Differentiate Into Neurons, * 61:364-370 Young, 2000 Science *A Time for Restraint, * 287:1424.	
	325	Yavorkovsky, L., E. Lai, et al. (1995) "Participation of small intraportal stem cells in the restitutive response of the liver to periportal necrosis induced by allyl alochol" Hepatology 21(6): 1702-12.	
	326	Yin, L., D. Lynch, et al. (1999) "Participation of different cell lypes in the restitutive response of the rat liver to periportal injury induced by allyl alcohol" J Hepatol 31(3): 497-507.	
	327	Yoo, Jung U. and Brian Johnstone, "The Role of Osteochondral Progenitor Cells in Fracture Repair," Clinical Orthopaedics and Related Research, 1998, 3555:S73-81)	
	328	Yoon, Kyonggeun et al., "Characterization of the Ratiosteocalcin Gene: Stimulation of Promoter Activity by 1,25-Dihydroxyvitamin D3," <i>Blochem.</i> 1988 27:8526.	
	329	Young, "A Time for Restraint", 2000 Science 287:1424	
	330	Young et al., "Mesenchymal Stem Cells Reside Within the Connective Tissues of Many Organs," Developmental Dynamics 1995 202(2), 137-144	
	331	Young, Henry E, et al., "Human Pluripotent and Progesitior Cells Display Cell Surface Cluster Differentiation Markers CD10, CD13, CD56, and MHC Class-I (44385), *Proc. Soc. Exp. Biol. Med., 1999, 221:63-71	
	332	Zalin, RJ 1987 Exp. Cell Res. "The Role of Hormones and Prostanoids in the in Vitro Proliferation and differentiation of Human Myoblasts," 172:265-281.	
	333	Zezulak, Kathleen M. and Howard Green, "Specificity of Gene Expression in Adipocytes," Molecular and Cellular Biology, 1985, 5:419-21	
	334	Zohar, R. et al., "Analysis of intracellular osteopontinias a marker of osteoblastic cell differentiation and mesenchymal cell migration." European Journal of Oral Sciences, 1998, 106(Supp. 1):401-7	
	335	Zuk, Patricia A. et al., "Human Adipose Tissue Is A Source Of Multipotent Stem Cells," Molecular Biology of the Cell, 2002, 13:4279-4295.	
	336	Zuk, Patricia Z. et al., "Multilineage Cells from Human Adipose Tissue: Implication for Cell-Based Therapies," <i>Tissue Engineening</i> , April, 2001, 7:211-28	
	337	Zvaifler, et al., 2000, "Mesenchymal precursor cells in the blood of normal individuals," Arthritis Res. 2:477-488.	
	338	International Search Report No. PCT/US02/29207 dated 12/12/2002	

Examiner Signature Date Considered

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	339	International Search Report No. PCT/US02/39465 dated 6/22/2006	
	340	International Search Report No. PCT/US02/40921 dated 7/30/2003	
	341	International Search Report No. PCT/US04/20594 dated 4/6/2005	
	342	International Search Report No. PCT/US04/21391 dated 4/12/2005	
	343	International Search Report No. PCT/US04/21415, IPRP dated 1/18/07 containing Written Opinion dated 12/30/2005	
	344	International Search Report No. PCT/US04/21417 dated 4/12/2005	
	345	International Search Report No. PCT/US04/21418 dated 12/22/2005	
	346	International Search Report No. PCT/US04/21480 dated 4/4/2005	
	347	International Search Report No. PCT/US04/21549, IPRP dated 1/18/07 containing Written Opinion dated 2/7/2006	

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